

FORTHCOMING BOOKS OF SCIENCE.

MESSRS. BAILLIERE, TINDALL AND COX'S list includes:—"Applied Bacteriology," by Prof. R. T. Hewlett and C. G. Moor, illustrated; "Laboratory Manual of Physiology," by Dr. F. C. Busch; "Trypanosomes and Trypanosomiasis," by Laveran and Mesnil, translated and edited by Dr. D. Nabarro; "Practical Agricultural Chemistry," by F. Robertson; "Röntgen Rays in General Practice," by R. H. Cooper; and a new edition of "Philosophy of Voice," by C. Lunn.

Messrs. A. and C. Black promise:—"A Treatise on Zoology," edited by Prof. E. Ray Lankester, F.R.S., part v., "Mollusca," by Dr. P. Pelseneer, illustrated.

Messrs. Gebrüder Borntraeger (Berlin) give notice of:—"Hygienisches Centralblatt," edited by Dr. P. Sommerfeld; "Zeitschrift für Gletscherkunde," edited by Prof. E. Brückner; "Tabulae botanicae," edited by Drs. E. Baur and Jahn; "Kryptogamenflora der Mark Brandenburg," Band ii., "Laubmoose"; "Forstbotanisches Merkbuch," iv., Schleswig-Holstein; "Allgemeine Botanik," by Prof. Warming; and "Geschichte Roms," by Prof. Drumann, Band iii.

The Cambridge University Press list includes:—"Cambridge Tracts in Mathematics and Mathematical Physics," No. 3, "Quadratic Forms and their Classification by Means of Invariant Factors," by Prof. T. L'A. Bromwich; "Trigonometry for Beginners," by J. W. Mercer. The following are in preparation:—"The Definite Integral, its Meaning and Fundamental Properties," by Dr. E. W. Hobson, F.R.S.; "Singular Points and Asymptotes of Plane Curves," by Prof. C. A. Scott; "The Axioms of Geometry," by Dr. A. N. Whitehead, F.R.S.; and "The Eikonal and its Application to Optical Instruments," by E. T. Whittaker, F.R.S.

Messrs. J. and A. Churchill give notice of:—"A Short Practice of Medicine," by Dr. R. A. Fleming; "Preservatives in Food and Food Examination," by Dr. J. C. Thresh; "Essentials of Surface Anatomy," by C. R. Whittaker; "A Manual of Midwifery," by Dr. T. W. Eden; "Clinical Applied Anatomy; or, the Anatomy of Medicine and Surgery," by C. R. Box and W. M. Eccles; "A Manual of Pathology, General and Special," by Prof. R. T. Hewlett; "A Manual of Prescribing," by Prof. C. R. Marshall; "Spinal Curvature," by H. R. H. Bigg; "Pharmaceutical Latin Grammar; or Prescriptions, how to Write and Read Them," by R. R. Bennett; and new editions of "A System of Dental Surgery," by C. S. Tomes and W. S. Nowell; and "Minor Surgery and Bandaging," by B. Pollard.

Messrs. A. Constable and Co., Ltd., will publish:—"Radio-active Transformations," by Prof. E. Rutherford, F.R.S., illustrated; "The Integrative Action of the Nervous System," by Prof. C. S. Sherrington, F.R.S., illustrated; and "Physiology of the Nervous System," by J. P. Morat translated and edited by Dr. H. W. Syers, illustrated.

Messrs. J. M. Dent and Co. direct attention to:—"English Men of Science," edited by Prof. J. R. Green, F.R.S.—"Herbert Spencer," by Prof. J. A. Thomson; "Priestley," by Dr. T. E. Thorpe, C.B., F.R.S.; "George Bentham," by B. D. Jackson; "Huxley," by Prof. J. R. A. Davis; "Sir Wm. Flower," by R. Lydekker, F.R.S. Of Dent's Mathematical and Scientific Series, the following are in preparation:—"Geometrical Conics," by Profs. G. H. Bryan, F.R.S., and R. H. Pinkerton; "Analytical Conics," by Prof. C. A. Scott; "Mechanics," by C. S. Jackson and R. M. Milne; "Trigonometry," by C. Hawkins; "Algebra," by Prof. H. W. L. Tanner, F.R.S., and W. J. Greenstreet; "Practical Mathematics," by J. E. Boyt; "Light," by F. E. Rees; "A French Scientific Reader," compiled by W. J. Greenstreet; "A German Scientific Reader," compiled by C. R. Dow; and "Mathematical Tables," by Prof. G. H. Bryan, F.R.S.

Mr. Gustav Fischer (Jena) announces:—"Flora, oder Allgemeine Botanische Zeitung," Jahrgung 1906, edited by Prof. K. Goebel, Heft i., illustrated; "Klinisches Jahrbuch," fünfzehnter Band, zweites Heft, illustrated; "Physiologie des Menschen," by Prof. L. Luciani, German translation, Band ii., illustrated; "Das Rettungs- und Krankenbeförderungswesen im deutschen Reiche," by Prof. G.

Meyer, Bildet zugleich den dritten Ergänzungsband zum klinischen Jahrbuch, illustrated; "Résultats scientifiques du Congrès international de Botanique, Wien, 1905," illustrated; "Die Wirbeltiere Europas mit Berücksichtigung der Faunen von Vorderasien und Nordafrika," by Prof. O. Schmiedeknecht; "Vegetationsbilder," edited by Profs. G. Karsten and H. Schenck, dritte Reihe, Heft vi.: Emerich Zederbauer, Vegetationsbilder aus Kleinasien, illustrated; "Verhandlungen der deutschen pathologischen Gesellschaft," edited by G. Schmorl, neunte Tagung, gehalten in Meran vom 25 bis 29 September, 1905, illustrated; "Gesammelte Abhandlungen," Band iv., Sozial-politische Schriften, by Prof. E. Abbe; and new editions of "Lehrbuch der Entwicklungsgeschichte des Menschen und der Wirbeltiere," by Prof. O. Hertwig, illustrated; "Tabellen zur Gesteinskunde für Geologen, Mineralogen, Bergleute, Chemiker, Landwirte und Techniker," by Prof. G. Linck, illustrated; "Einführung in das Studium der Malariaerkrankungen," by Dr. R. Ruge, illustrated; "Anatomische, physiologische und physikalische Daten und Tabellen zum Gebrauche für Mediziner," by Prof. H. Vierordt; and "Lehrbuch der allgemeinen Pathologie und der pathologischen Anatomie," by Prof. E. Ziegler, Band ii., Lehrbuch der speziellen pathologischen Anatomie, edited by Drs. E. Gierke and K. Ziegler, illustrated.

Messrs. Gauthier-Villars (Paris) promise:—"Guide du Météorologue amateur," by Loisel; "Leçons sur le Séries trigonométriques," by Lebesgue; "La Mécanique des Phénomènes fondée sur les Analogies," by Petrowitch; and "Les Conserves alimentaires," by Rocques.

Messrs. Charles Griffin and Co., Ltd., announce:—"The Theory of the Steam Turbine, a Treatise on the History, Development, and Principles of Construction of the Steam Turbine," by A. Jude, illustrated; "Present-day Shipbuilding: abridged from 'Steel Ships,' Revised and Specially Arranged to Meet the Requirements of Shipyard Students, Ships' Officers, and Engineers for their Respective Examinations," by T. Walton, illustrated; "Motor-car Mechanism and Management," by W. P. Adams, in three parts, illustrated, part ii., the Electrical Car, and part iii., the Steam Car; "General Foundry Practice: a Practical Handbook for Iron, Steel and Brass Founders, Metallurgists, and Students of Metallurgy," by A. C. McWilliam and P. Longmuir, illustrated; "The Elements of Chemical Engineering," by Dr. J. Grossmann, illustrated; "Locomotive Compounding and Superheating," by J. F. Gairns, illustrated; "Peat: its Use and Manufacture," by P. R. Björling and F. T. Gissing, illustrated; "The Clayworker's Handbook, an Epitome of the Materials and Methods Employed in Brickmaking and Pottery," by the author of "The Chemistry of Clayworking," illustrated; "Paper Technology, an Elementary Manual on the Manufacture, Physical Qualities, Chemical Constituents, and Testing of Paper and Paper-making Fibres, with Selected Tables for the Use of Publishers, Stationers, and Others," by R. W. Sindall, illustrated; "Lessons on Sanitation," by J. W. Harrison, illustrated; "Toxines and Antitoxines," by Dr. C. Oppenheimer, translated from the German by C. A. Mitchell, with notes and additions by the author, since the publication of the German edition; "The Treatment of the Diseases of the Digestive System," by Prof. R. Saundby; and new editions of "Chemistry for Engineers and Manufacturers," by B. Blount and A. G. Bloxam, vol. i., the Chemistry of Engineering, Building, and Metallurgy; "Petroleum and its Products, a Practical Treatise," by Sir B. Redwood, illustrated; and "Aids in Practical Geology: with a Section on Palaeontology," by Prof. G. A. J. Cole, illustrated.

Messrs. Hodder and Stoughton give notice of:—"A History of Egypt from the Earliest Times to the Persian Conquest," by Prof. J. E. Breasted, illustrated; "Every Man's Book of Garden Difficulties," by W. F. Rowles, illustrated; "Every Man's Book of Garden Flowers, with Short Directions for their Culture," by J. Halsham, illustrated; and "A Nature Reader for Senior Students, being an Anthology of the Poetry of Nature," edited by the Hon. Sir John Cockburn, K.C.M.G., and E. E. Speight.

Messrs. Hutchinson and Co. announce:—"Liberia, the Negro Republic in West Africa," by Sir Harry Johnston, G.C.M.G., K.C.B., &c., illustrated; Darwin's "Origin of Species," edited by J. W. Mathews; and Waterton's

"Wanderings in South America," with notes, &c., by W. A. Harding.

In Mr. John Lane's list are:—"Bombay Ducks: an Account of Some of the Everyday Birds and Beasts found in a Naturalist's El Dorado," by D. Dewar, illustrated; "The Wild Flowers of Selborne and Other Papers," by the Rev. Canon Vaughan, illustrated. New volumes in the "Practitioners' Library," edited by H. Roberts: "Forms of Paralysis," by Dr. J. S. Collier; "X-Rays in General Practice," by Captain A. E. Walter. New volumes in the Country Handbooks, edited by H. Roberts: "The Stable Handbook," by T. F. Dale, illustrated; "The Country Cottage," by G. L. Morris and E. Wood, illustrated. New volumes in the Handbooks of Practical Gardening: "The Book of Rarer Vegetables," by G. Wythes and H. Roberts; "The Book of the Winter Garden," by D. S. Fish; "The Book of Market Gardening," by R. L. Castle, illustrated; and a new edition of "Rifle and Romance in the Indian Jungle: being the Record of Thirteen Years of Indian Jungle Life," by Captain A. I. R. Glasfurd, illustrated.

Mr. T. Werner Laurie will publish:—"Fishing for Pleasure and Catching It," by E. Marston, with two chapters on Salmon and Trout Fishing in North Wales by R. B. Marston, illustrated; and "Modern Medicine for the Home," by E. Walker.

Among Messrs. Crosby Lockwood and Son's forthcoming books we notice:—New editions of "The Art of Leather Manufacture," by A. Watt; "Colliery Working and Management," by H. F. Bulman and R. A. S. Redmayne, illustrated; "A Handybook for Brewers," by H. E. Wright; and "Sheet Metal Worker's Instructor," by R. H. Warr and J. G. Horner, illustrated.

Messrs. Longmans and Co.'s list includes:—"Mammals of Great Britain and Ireland," by J. G. Millais, vol. iii., completing the Rodentia with the Hares and the Rabbit; it will also contain the Cervidae (the Deer family), the Bovidae (the Oxen), and the Cetaceae (Whales), illustrated; "Health of Our Children in the Colonies, a Book for Mothers," by Dr. L. A. Robinson; "Plants and their Ways in South Africa," by B. Stoneman; "Design of Lathes for High Speed and Heavy Cutting," by J. T. Nicolson and D. Smith; "Practical Manual of Tides and Waves," by W. H. Wheeler, illustrated; "Scientific Principles of Wireless Telegraphy," by Prof. J. A. Fleming, F.R.S.; "Modern Steam Road Wagons," by W. Norris, illustrated; "Synthetica, being Meditations Epistemological and Ontological, comprising the Edinburgh Gifford Lectures of 1905," by Dr. S. S. Laurie, two vols.; "Plant Response," by Prof. J. C. Bose, C.I.E.; "Mathematical Papers of J. Willard Gibbs," two vols.; "Manual of Diseases of the Nose and its Accessory Cavities," by Dr. H. L. Lack; and "Philosophy of Religion," by Prof. G. T. Ladd, two vols.

Messrs. Sampson Low, Marston and Co., Ltd., will issue:—"Cotton Manufacture," by E. A. Posset, part ii., treating of combing, drawing, roller covering and fly frames, with an illustrated description of all the modern processes and machinery used, also all the calculations required.

Messrs. Macmillan and Co., Ltd., announce:—"Mediæval Rhodesia," by D. Randall-MacIver, illustrated; "The Philosophy of Religion," by Prof. H. Höffding, translated by Miss B. E. Meyer; "Electrical Engineering in Theory and Practice," by G. D. Aspinall Parr, illustrated; "Physical Optics," by Prof. R. W. Wood, illustrated; "A Manual of Geometry," by W. D. Eggar; "Lessons in Science, a Preliminary Course of Physics and Chemistry," by Prof. R. A. Gregory and A. T. Simmons; and a new edition of "Appendicitis: its Pathology and Surgery," by C. B. Lockwood.

Messrs. Methuen and Co. promise:—"Electrical Industry, Lighting, Traction, and Power," "Shipbuilding Industry, its History, Science, Practice, and Finance," "Money Market," "Business Side of Agriculture," "Brewing Industry," "Automobile Industry," "Mining and Mining Investments," "Civil Engineering," "Coal Industry," "Iron Trade," and "Cotton Industry and Trade."

Mr. John Murray announces:—"Heredity," by Prof. J. A. Thomson; "Researches in Sinai," by Prof. W.

Flinders Petrie, F.R.S., illustrated; "Noteworthy Families (Science), an Index to Kinships in Near Degrees between Persons whose Achievements are Honourable, and have been Publicly Recorded," by Dr. F. Galton, F.R.S., and E. Schuster; "Our Waterways, a History of Inland Navigation considered as a Branch of Water Conservancy," by U. A. Forbes and W. H. R. Ashford; "Life of Isabella Bird (Mrs. Bishop)," by Miss A. M. Stoddart, illustrated; "The Dead Heart of Australia, a Journey around Lake Eyre in the Summer of 1901-1902, with an Account of the Lake Eyre Basin and the Flowing Well of Central Australia," by Prof. J. W. Gregory, F.R.S., illustrated; "Human Blood, an Introduction to the Normal and Pathological Morphology of Human Blood," eight lectures delivered in the Pathological Laboratory of the University of London, by Dr. G. A. Buckmaster, illustrated; "The Transition in Agriculture," by E. A. Pratt; "Recent Development in Biological Science," by W. B. Hardy, F.R.S.; "Artillery and Explosives, Essays and Lectures Written and Delivered at Various Times," by Sir A. Noble, K.C.B., F.R.S., illustrated; and "Chemistry of the Albumens," by Dr. O. B. Schryver.

The list of the Oxford University Press contains:—"Elementary Chemistry, Progressive Lesson in Experiment and Theory," by F. R. L. Wilson and G. W. Hedley, part ii.; Knuth's "Flower Pollination," authorised English translation by J. R. A. Davis, vol. i.; Solereder's "Anatomical Characters of the Dicotyledonous Orders," authorised English translation by L. A. Boodle and F. E. Fritsch, revised by H. D. Scott; "A Catalogue of the Herbarium of Dillenius," by G. C. Druce, with the assistance of Prof. S. H. Vines, F.R.S.; "The Face of the Earth" ("Das Antlitz der Erde"), by Prof. E. Suess, translated by Dr. H. B. C. Sollas under the direction of Prof. W. J. Sollas, F.R.S., vol. ii., illustrated; "The Oxford Geographies," vol. ii., "The Preliminary Geography," by Dr. A. J. Herbertson, illustrated; "The Dawn of Modern Geography," by C. R. Beazley, vol. iii.; "Lectures on the Method of Science," edited by Dr. T. B. Strong; and a new edition of "Human Anatomy for Art Students," by Prof. A. Thomson, illustrated.

Messrs. G. Philip and Son, Ltd., have in the press:—"A Rhythmic Approach to Mathematics," by E. L. Somerville.

Sir Isaac Pitman and Sons, Ltd., announce:—"Mechanical Traction on Highways in the United Kingdom," by Dr. C. A. M. Barlow; and a new edition of "Home Gymnastics for Old and Young," by Dr. T. J. Hartelius, translated and adapted from the Swedish by C. Löfving, illustrated.

Messrs. G. P. Putnam's Sons promise:—"Jordan Valley and Petra," by Prof. W. Libbey and Dr. F. E. Hoskins, two vols., illustrated; and "Tibet and Turkestan," by O. T. Crosby, illustrated.

The Religious Tract Society announces:—"By-paths in Nature," by F. Stevens, illustrated; and "Every Boy's Book of British Natural History," by P. Westell.

The Sanitary Publishing Co., Ltd., announce:—"Smoky Fogs, How to Prevent," by A. J. Martin; "Drainage, Cast Iron House Drainage, with Especial Reference to the Drainage of Town Houses," by G. J. G. Jensen; and new editions of "Drainage, By-laws as to House Drainage and Sanitary Fittings made by the London County Council," annotated by G. J. Jensen, illustrated; and "Drainage, Modern Drainage Inspection and Sanitary Surveys," by G. J. G. Jensen, illustrated.

The Society for Promoting Christian Knowledge will publish:—"The Frozen South"; a volume on the Spectroscope, by Mr. H. F. Newall; and "The Properties of Liquids," by Prof. C. V. Boys, F.R.S.

Messrs. Swan Sonnenschein and Co., Ltd., promise:—"Physiological Psychology," by Prof. W. Wundt, translated by Prof. E. B. Titchener, in three vols., vol. ii., illustrated; "The History of Philosophy," by Dr. J. E. Erdmann, translated abridgment by W. S. Hough; "Thoughts and Things: a Genetic Study of Logical Process," by Prof. M. Baldwin, vol. i., "Theory of Knowledge, Functional Logic," vol. ii., "Theory of Reality, Real Logic"; "Man: or Problems Ancient and Modern relating to Man, with Guesses at Solutions," by Rev. W. T. Nicholson; "The Student's Text-book of

Zoology," by A. Sedgwick, F.R.S., vol. iii., completing the work, illustrated; "Insect Pests of the Farm and Garden," by F. M. Duncan, illustrated; and "School Gardening for Little Children," by L. R. Latter, with an introduction by Prof. Geddes.

The University Tutorial Press, Ltd., announce:—"Geometry, Theoretical and Practical," by W. P. Workman and A. G. Cracknell, part ii., part iii.; "Arithmetic for the Preliminary Certificate Examination," by H. R. Chope; "Model Answers to Arithmetic Questions for the Preliminary Certificate Examination"; "Algebra, Preliminary Certificate Edition, With Section on Graphs," by R. Deakin; "Geometry, Theoretical and Practical, Preliminary Certificate Edition (for Course A)," by W. P. Workman and A. G. Cracknell; "Euclid, Books i.-iii., Preliminary Certificate Edition, with Mensuration and Practical Problems arranged in Accordance with Euclid's Order of Proof," by R. Deakin; "Key to Matriculation Algebra"; "Logarithms and How to Use Them"; "Chemistry, First Stage, Theoretical Organic," by R. A. Lyster; "Chemistry, the Junior," by R. H. Adie; "Experimental Science, the Junior," by W. M. Hooton; "Hygiene, Certificate," by R. A. Lyster; "Technical Electricity," by Prof. H. T. Davidge and R. W. Hutchinson; "Physiology, First Stage," by Dr. G. M. Meachen; "Elementary Science of Common Life (Chemistry), Subject xxvi. of the Board of Education Science Examinations," by W. T. Boone; "Properties of Matter," by C. J. L. Wagstaff; "Elementary Science for the Preliminary Certificate Examination (General Section)," edited by Drs. R. W. Stewart and W. Briggs; "Elementary Science for the Preliminary Certificate Examination (Section A, Chemistry)," by H. W. Bausor; "Elementary Science for the Preliminary Certificate Examination (Section B, Physics)," by J. Satterly; "Intermediate Hydrostatics"; "Principles and Methods of Education," by Dr. S. S. Fletcher and J. Welton; and new editions of "First Stage Inorganic Chemistry (Theoretical)," by Dr. G. H. Bailey; "Synopsis of Matriculation Chemistry"; "New Matriculation Physics: Heat, Light, and Sound," by Dr. R. W. Stewart; "Light, Text-book of," by Dr. R. W. Stewart; and "Graphs, Graphical Representation of Algebraic Functions," by C. H. French and G. Osborn.

Mr. T. Fisher Unwin promises:—"Haeckel: his Life and Work," by W. Bölsche, translated by J. McCabe, illustrated; and "The Birds of Middlesex," by J. E. Harting, illustrated.

The following are Messrs. Whittaker and Co.'s announcements:—"A Pocket Book of Aéronautics," by H. W. L. Moedebeck, translated from the German by Dr. W. M. Varley; "Electricity in Mines," by P. R. Allen; "Steam Turbine Engineering," by T. Stevens and H. M. Hobart; "Electric Lamps and Electric Lighting," by L. Gaster; "Armature Construction, a Handbook for Electrical Designers," by H. M. Hobart; "Single-phase Commutator Motors," by F. Punga; "A Treatise on Coal Mining," by G. L. Kerr and D. Burns; "Polyphase Electric Currents," by A. Still; and "A Text-book of Botany," part i., "The Anatomy of Flowering Plants," by L. M. Yates.

UNIVERSITY AND EDUCATIONAL INTELLIGENCE.

OXFORD.—The board of the faculty of natural science has approved the supplication of Mr. Walter Garstang, Lincoln College, for the degree of doctor of science.

Prof. W. J. Sollas and Dr. T. G. Bonney have been appointed examiners in the honour school of geology.

The grant of 250*l.* a year to the pathological laboratory from the University Chest has been renewed for five years, and additional grants of 100*l.* a year to the Pitt-Rivers Museum and to the Hope department of zoology, and 50*l.* a year to the departments of mineralogy and geology have been authorised by Convocation.

The important collection of New Zealand birds formerly belonging to the late Mr. S. William Silver has been presented to the museum by his widow.

A fellowship examination in chemistry has been announced by Merton College to begin on Tuesday,

September 25. Candidates must have passed at the examinations required by the University for the degree of B.A. The value of the fellowship is 200*l.* a year for seven years, and the holder may be re-elected if he is duly qualified. Candidates may submit any dissertations or evidence of research work not later than September 20.

At a meeting of the Junior Scientific Club held on March 7, Mr. Henry Balfour read a paper on "The Natural History of the Bagpipe," and Mr. J. A. Brown one on "Electrons."

CAMBRIDGE.—The late Mr. Frederick James Quick having left his residuary estate to the University, the income to be used in promoting the study and research in the sciences of vegetable and animal biology, the council of the Senate has published a scheme for the administration of the fund. This has been approved by the trustees, to whom the will entrusts very considerable powers of emendation and alteration. It is proposed to establish a Quick professorship of biology with a salary of 100*l.* a year, and with a sum not exceeding 300*l.* a year for the maintenance of a laboratory. In the first instance the professor is to devote himself to the study of the protozoa, especially such as cause disease. He will not be required to give lectures in more than one university term, when he will be expected to set forth the result of the researches carried on in his laboratory. By the terms of the will the professor must seek re-election every third year. The administration of the fund will rest with a board of managers, the members of which will also act as electors to the professorship.

The first report of the Studies and Examinations Syndicate with regard to the abolition of compulsory Greek having been rejected by the Senate, the Syndicate has tried again, and has issued a second report, in which it suggests what is known as a "bifurcation of studies." It is proposed that both in the honours and in the ordinary course for degrees the examinations shall be grouped into two sections, the literary and the scientific, and that while those who pursue the literary side must take in the Previous Examination two classical languages, those on the scientific side will be required "to take two languages other than English, one of the two being Latin or Greek." When the proposals come to be discussed a certain amount of opposition may be expected from the historians and moral science teachers, whose students are afforded no relief. Whether the masters of the situation, the non-resident members of the Senate, will allow the proposals to be accepted is doubtful. It is a well known fact that when the first report of the Syndicate was voted upon, a decided majority of the resident members of the University voted for reform. If the residents are again beaten they must put their trust in the Royal Commission which, from various signs, seems not so very far off.

The late master of Corpus Christi College, Dr. E. H. Perowne, has left his valuable collection of amber from the Norfolk coast to the University, to be deposited in the Sedgwick Geological Museum or in the Fitzwilliam Museum.

It is proposed to grant a sum of 75*l.* out of the works fund to Mr. W. G. Farnsides, of Sidney Sussex College, towards defraying the expense of a visit which he proposes to make to Sweden to study the Tremadoc and Arenig beds.

The following have been appointed examiners in the special examination in geography and the examination for the diploma in geography:—Mr. G. G. Chisholm, Mr. A. R. Hinks, Mr. H. Y. Oldham, and Prof. W. W. Watts.

The next combined examination for sixty-six entrance scholarships and various exhibitions at Pembroke, Gonville and Caius, King's, Jesus, Christ's, St. John's, and Emmanuel Colleges will be held on Tuesday, December 4, and following days. Mathematics, classics, and natural sciences will be the subjects of examination at all these colleges. Scholarships and exhibitions will also be offered for history, for modern languages, and for Hebrew.

We learn from *Science* that Mrs. A. A. Anderson has given 20,000*l.* to Barnard College, Columbia University, toward the establishment of a course in science.